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Network Working Group
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Postel

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ADDRESS TABLES

Attached is a copy of a revision to Appendix A of BBN Report No. 1822; the revised version of the Appendix is our first attempt to make the list of sites attached to the ARPA Network prospective rather than retrospective. We are adopting this approach because of the large number of sites scheduled for attachment in the near future, and because many Hosts apparently require a site's address to be in some local table before their NCPs will permit communication with the site. Therefore, we urge such Hosts to add the new sites to their lists of addresses as soon as possible. Also, please note the address change which will be made at BBN on exactly September first.

Incidentally, it seems to us that it is irrational for an NCP to discard otherwise valid messages, simply because the sender's address doesn't appear in a local table. Similarly, it seems almost as irrational for an NCP to prevent a local user from trying to communicate with a remote site, the address of which is known to the user but not stored in the NCP's tables.

APPENDIX A

IMP AND HOST SITE IDENTIFICATION

IMP	SITE	HOST	ADDRESS	LOCATION
1	101	101	101-101	101
2	102	102	102-102	102
3	103	103	103-103	103
4	104	104	104-104	104
5	105	105	105-105	105
6	106	106	106-106	106
7	107	107	107-107	107
8	108	108	108-108	108
9	109	109	109-109	109
10	110	110	110-110	110
11	111	111	111-111	111
12	112	112	112-112	112
13	113	113	113-113	113
14	114	114	114-114	114
15	115	115	115-115	115
16	116	116	116-116	116
17	117	117	117-117	117
18	118	118	118-118	118
19	119	119	119-119	119
20	120	120	120-120	120

Bits' 9-16 of the leader of most Host-to-IMP or IMP-to-Host messages define a *network address* related to the message (these bits are not meaningful for message types 1, 2, and 4). In a Host-to-IMP message the network address identifies a particular Host to which the message should be delivered. In an IMP-to-Host message the network address identifies the Host from which the message originated.

A network address consists of six bits (bits 11-16 of the leader) which specify an IMP number, preceded by two bits (bits 9-10 of the leader) which specify the Host number of a particular Host connected to that IMP. The table below gives the decimal values of IMP number, Host number, and network address for each Host currently connected to the ARPA Network or scheduled for connection in the near future. Scheduled installation dates are also shown for Hosts not currently connected; these dates, however, are subject to change without notice.

<u>IMP NUMBER</u>	<u>SITE NAME</u>	<u>HOST NUMBER</u>	<u>HOST</u>	<u>NETWORK ADDRESS</u>	<u>SCHEDULED INSTALLATION</u>
1	UCLA	0	SIGMA-7	1	See Note 1
		1	IBM 360/91	65	
2	SRI	0	PDP-10 (NIC)	2	
		1	PDP-10 (AI)	66	
3	UCSB	0	IBM 360/75	3	
4	UTAH	0	PDP-10	4	
5	BBN	0	DDP-516	5	
		1	PDP-10 (A)	69	
		2	PDP-10 (B)	133	

Note 1: Prior to September 1, 1971 the BBN PDP-10 (A) will be Host number 0 (network address 5) and the BBN DDP-516 will be Host number 1 (network address 69). The address change is to be made during the day on 9/1/71.

<u>IMP NUMBER</u>	<u>SITE NAME</u>	<u>HOST NUMBER</u>	<u>HOST</u>	<u>NETWORK ADDRESS</u>	<u>SCHEDULE INSTALLATION</u>
6	MIT	0	Honeywell 645	6	
		1	PDP-10	70	
7	RAND	0	360/65	7	
		1	PDP-10	71	
8	SDC	0	IBM 360/75	8	
9	HARVARD	0	PDP-10	9	
		1	PDP-1	73	
		2	PDP-11	137	
10	LINCOLN	0	IBM 360/67	10	
		1	TX2	74	
11	STANFORD	0	PDP-10	11	
12	ILLINOIS	0	PDP-11	12	
13	CASE	0	PDP-10	13	
14	CARNEGIE	0	PDP-10	14	
15	PAOLI	0	B6500	15	
16	NASA/AMES	0	IBM 360/67	16	8/3/71
		2	TIP	144	
17	MITRE	2	TIP	145	8/31/71
18	RADC	0	H 635/645	18	10/5/71
		2	TIP	146	
19	NBS	0	PDP-11	19	11/2/71
		2	TIP	147	
20	ETAC	2	TIP	148	11/30/71
21	TINKER	0	418 III	21	1/4/71
22	McCLELLAN	0	418 III	22	2/1/72
23	USC	0	IBM 360/44	23	2/29/72
		2	TIP	151	
24	GWC	2	TIP	152	3/14/72
25	NCAR	0	CDC 7600	25	3/28/72
		2	TIP	153	
30	BBN/TIP	2	TIP	158	

